

**Dr. Youngsuk Bang, the ANS 2013 Mark Mills Award Recipient.  
PhD Topic: “Hybrid Reduced Order Modeling Algorithms  
for Reactor Physics Calculations”**

Dr. Bang’s research has been largely funded by CASL’s VUQ FA under the supervision of Dr. Hany Abdel-Khalik, Dept. Nuclear Eng., North Carolina State University. He joined NCSU in Aug. 2009, and completed his PhD in Oct. 2012.

Due to the taxing computational cost required to obtain high fidelity predictions for complex reactor problems, Dr. Bang has introduced a number of novel mathematical algorithms that can render such calculations practical for computationally intensive engineering-oriented studies such as design optimization and uncertainty quantification.

Dr. Youngsuk Bang was born in Seoul, Korea in 1980. He obtained his undergraduate and master’s degrees in Seoul National University in 2004 and 2006, respectively. He is currently a senior researcher at FNC technology, Co., Seoul, Korea.



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